

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number  
**WO 2005/082841 A1**

(51) International Patent Classification<sup>7</sup>: **C07C 251/52**

(21) International Application Number:  
PCT/US2005/006123

(22) International Filing Date: 24 February 2005 (24.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/547,712 24 February 2004 (24.02.2004) US

(71) Applicant (for all designated States except US): **IRMLLC**  
[US/US]; P.O. Box HM 2899, Hamilton, HM LX (BM).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PAN, Shifeng**  
[CN/US]; 13880 Kerry Lane, San Diego, California 92130  
(US). **GAO, Wenqi** [CN/US]; 7958 Harmarsh Street, San  
Diego, California 92123 (US). **GRAY, Nathanael Schi-**  
**ander** [US/US]; 5652 Lamas Street, San Diego, California  
92122 (US). **MI, Yuan** [CN/US]; 11175 Affinity Court,  
#45, San Diego, California 92131 (US).

(74) Agents: **REID, Scott W.** et al.; The Genomics Institute of  
the Novartis Research Foundation, 10675 John Jay Hopkins  
Drive, San Diego, California 92121 (US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: IMMUNOSUPPRESSANT COMPOUNDS AND COMPOSITIONS

(57) Abstract: The present invention relates to immunosuppressants, processes for their production, their uses and pharmaceutical compositions containing them. The invention provides a novel class of compounds useful in the treatment or prevention of diseases or disorders mediated by lymphocyte interactions, particularly diseases associated with EDG receptor mediated signal transduction.

WO 2005/082841 A1